Amendments to the Claims

1.   (Currently Amended)   A method for the precise reporting of errors in a flow of successive messages, the method comprising:

detecting a transmission error in a message in the flow; ~~and~~

setting a deferred error flag in a state for the flow;

saving a sequence number in the state for the flow, for the message having the transmission error; and

processing the transmission error upon receiving an acknowledgement pertinent to an immediately preceding message.

2.   Cancelled

3.   Cancelled

4.   (Currently Amended)   The method of claim 4 [[3]], wherein processing the transmission error upon receiving an acknowledgement pertinent to an immediately preceding message comprises reporting the transmission error.

5.   (Currently Amended)   The method of claim 4 [[3]], wherein processing the transmission error upon receiving an acknowledgement pertinent to an immediately preceding message comprises reporting the immediately preceding message as a remote error.

6.   (Original)   The method of claim 4, wherein the acknowledgement is positive.

7.   (Original)   The method of claim 5, wherein the acknowledgement is negative.

Suppress transmission after error

2

8.   (Currently Amended)   A state machine for tracking the status of a flow

2   of successive messages from a requestor, comprising:

        a deferred error flag; and

4   a deferred error sequence number;

        wherein when the requester detects a transmission error in a message:

6   the deferred error flag is set; and

            the deferred error sequence number is saved; and

8   wherein the deferred error flag is cleared when the requester receives a

positive acknowledgement for a preceding message.

same as 1

9.   Cancelled

10.   Cancelled

11.   (Currently Amended)   A method for the precise reporting of errors in

2   a flow, the flow including a first message and a second message, each message

    including at least one packet, the method comprising:

4   transmitting the first message;

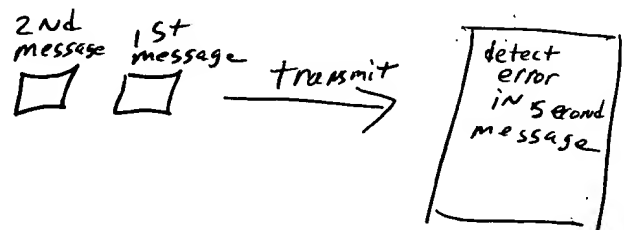   detecting a transmission error in the second message;

6   deferring the reporting of the transmission error in the second

message[[.]]; and

8   processing the transmission error in the second message upon receiving an

acknowledgement pertinent to the first message;

same as 1

10   wherein[[.]] the deferring includes writing a record of the transmission

error in the second message to a state saved for the flow.

12.   Cancelled

2nd message 1st message transmit
detect error in second message

3 process error in 2nd message after receiving error
of 1st message

13.   (Currently Amended)   The method of claim 11 ~~12~~, wherein writing a
2   record of the transmission error in the second message to a state saved for the
    flow comprises:
4   saving a sequence number of the packet in the state; and
            setting a deferred error flag in the state.

14.   (Currently Amended)   The method of claim 11 ~~12~~, wherein processing
2   the transmission error in the second message upon receiving an
    acknowledgement pertinent to the first message comprises reporting the
4   transmission error.

15.   (Currently Amended)   The method of claim 11 ~~12~~, wherein processing
2   the transmission error in the second message upon receiving an
    acknowledgement pertinent to the first message comprises reporting the first
4   message as a remote error.

16.   (Original)   The method of claim 14, wherein the acknowledgement is
2   positive.

17.   (Original)   The method of claim 15, wherein the acknowledgement is
2   negative.

18.   (Original)   A method for reporting errors in a flow of successive
2   messages comprising:
            detecting a transmission error in a message in the flow;
4   deferring reporting of the transmission error; and
            reporting the transmission error upon receiving a positive
6   acknowledgement that completes a message in the flow that immediately
    precedes the message having the transmission error.

19.   (Original)   The method of claim 18, wherein deferring reporting of the

2   transmission error comprises:

saving a sequence number for the message causing the transmission error

4   in a state; and

setting a deferred error flag in the state.

20.   (New)   The state machine of claim 8, wherein if a retransmission

2   acknowledgement is received, the deferred error flag remains set during

retransmission.

21.   (New)   The state machine of claim 8, wherein if a negative

2   acknowledgement is received, the transmission error is ignored.